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Therapeutic agent for prevention of arachidonic acid induced dermatological disorders such as psoriasis, mastocytosis and basal cell carcinoma, comprises imiquimod, its salt or solvate as active ingredient

Patent Assignee: JAPAN ENERGY CORP; SUMITOMO SEIYAKU KK

Patent Family

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Patent Details

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JP 2000247884	A		4	A61K-031/4745	

Abstract:
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NOVELTY Therapeutic agent for prevention of dermatologic disorders comprises imiquimod, its salt or solvate as active ingredient.

ACTIVITY Antipsoriatic; dermatological; antiinflammatory; cytostatic; anticancer. No test details are given in the specification.

MECHANISM OF ACTION Inhibits arachidonic acid inducing effect. A female mouse (6 weeks old) was pre-breeded for 7 weeks and imiquimod (R837) suspended in acetone at a concentration of 20 mg/ml was applied as a coating at front and back of left auricle. A control was prepared by applying only acetone to the left auricle. Arachidonic acid was applied on the coated auricles and left for 2 hours. The thickness of the right and left auricles were measured. The intracutaneous reaction caused due to antigen inducement was measured. The result showed R837 had an effective inhibitory effect for arachidonic acid induced intracutaneous reaction.

USE For prevention of arachidonic acid induced dermatological disorders such as psoriasis, ultraviolet rays dermatitis, mastocytosis, basal cell carcinoma and barbed cell cancer (claimed).

ADVANTAGE The agent inhibits skin inflammation reaction effectively. The agent inhibits various dermatological disorders associated with arachidonic acid induction.

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